



# An Energy Efficiency Workshop & Exposition

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Kansas City, Missouri

## ***Omaha Public Power District Offutt Air Force Base***

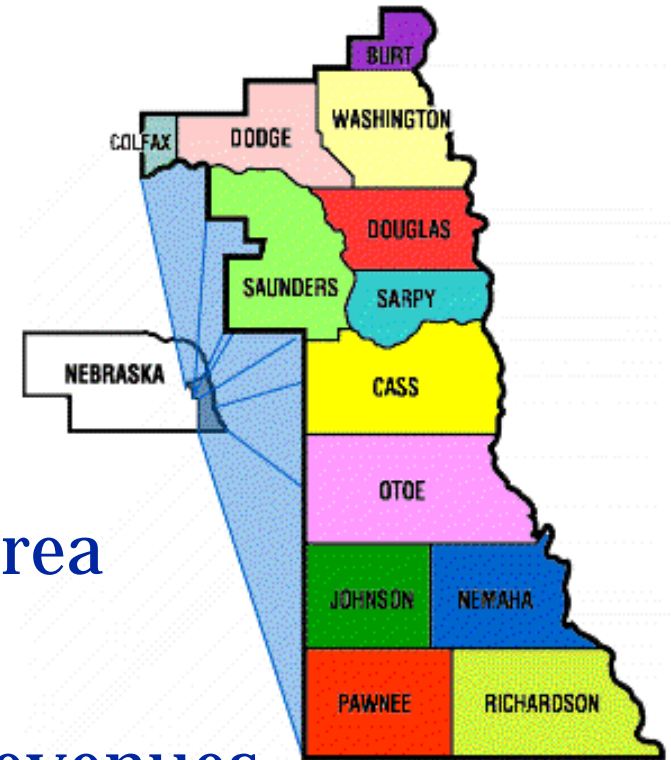
### **A Successful Partnership**



- OPPD Background
- Offutt AFB Profile
- Driving Forces
- PC Solution
- Task Order Summary
- Conclusion

## o Who We Are

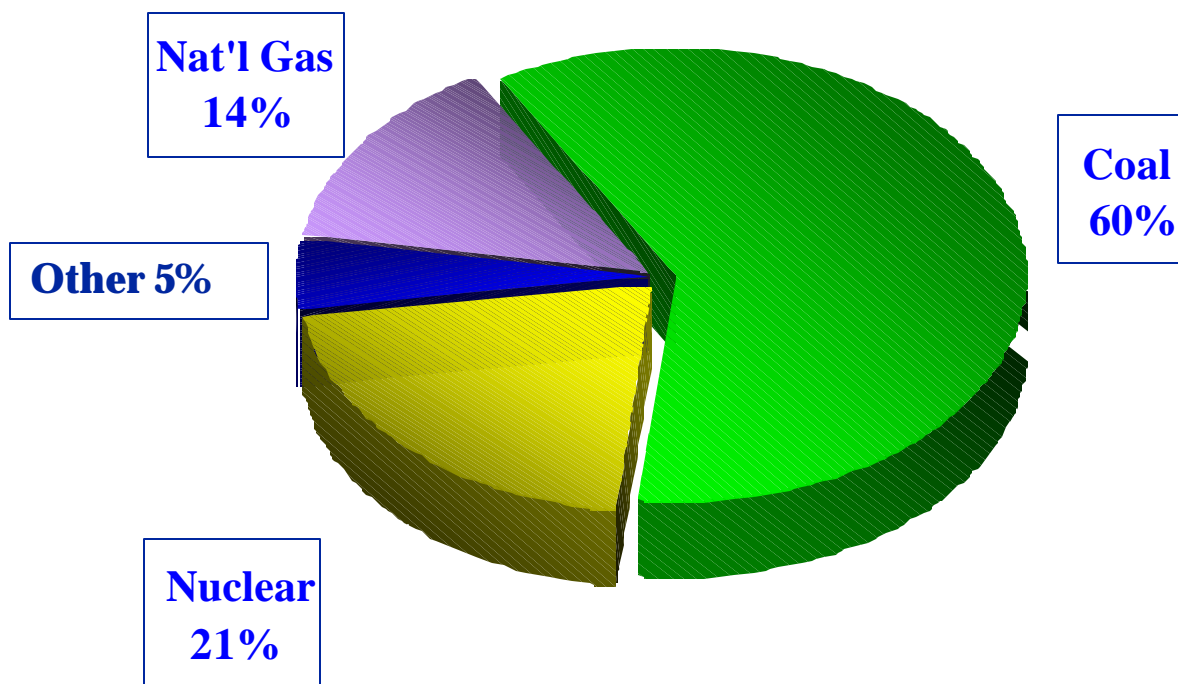
- Public Utility
- Over 290,000 customers
- 13 SE Nebraska counties
- 5,000 sq. miles of service area
- 2,298 employees
- \$567.7 Million operating revenues



*We Put  
Everything  
on the Line  
for You.*

## Total Generation Capability

**2,209,600 kW**



- 3rd Largest OPPD Customer
- 34 Megawatts
- WAPA Allocation
- 1.79 Cents/kWh
- Over 10 Million sq. ft.



- Legislative Initiatives

- Energy Policy Act of 1992

- Executive Order 12902 (3/94)

- Curb Energy Consumption 30% by 2005

- Executive Order 13123

- Requires Federal agencies to reduce energy use in Federal buildings by 35% from 1985 levels by 2010

- Federal Utility Partnership Working Group





## ***Performance Contracting***

**A method for a building owner to make capital improvements to a facility, finance all associated costs, and have a guarantee that the resulting operational savings will cover the debt service.**

***Walk-thru Audit and Proposal***

***Comprehensive Energy Analysis***

***Execute Performance Contract and Financing***

***Engineering Design***

***Project Implementation***

***Training & Commissioning***

***Savings Monitoring & Service***



- Internal team
  - Customer Sales & Service
  - Project Management
  - Finance
  - Legal
- External team
  - Maintenance Engineering
  - Contracting
  - ACC



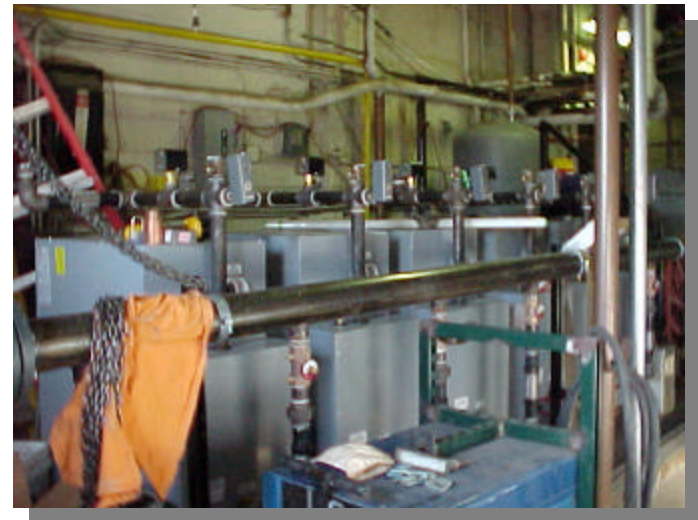
- o Direct Digital Controls
- o 11 Buildings
- o \$2,706,510
- o Financing
- o Status



- Federal Energy Project Experience
- Willingness to Share Information
- Competitive Rate
- Sale of Receivables



- Building #301
- Direct Digital Controls
- Replace Air Handlers
- Replace Steam Traps
- \$919,761
- Status



- o Direct Digital Controls
- o Building 457
- o \$870,276
- o ECIP Funding
- o Status





- Scope Varied
  - Replace chillers & hot water tank
  - Replace boilers
  - Install DDC & CO2 ventilation
  - Install VFD's
  - Insulate water tank
- \$1.9 million upgrade

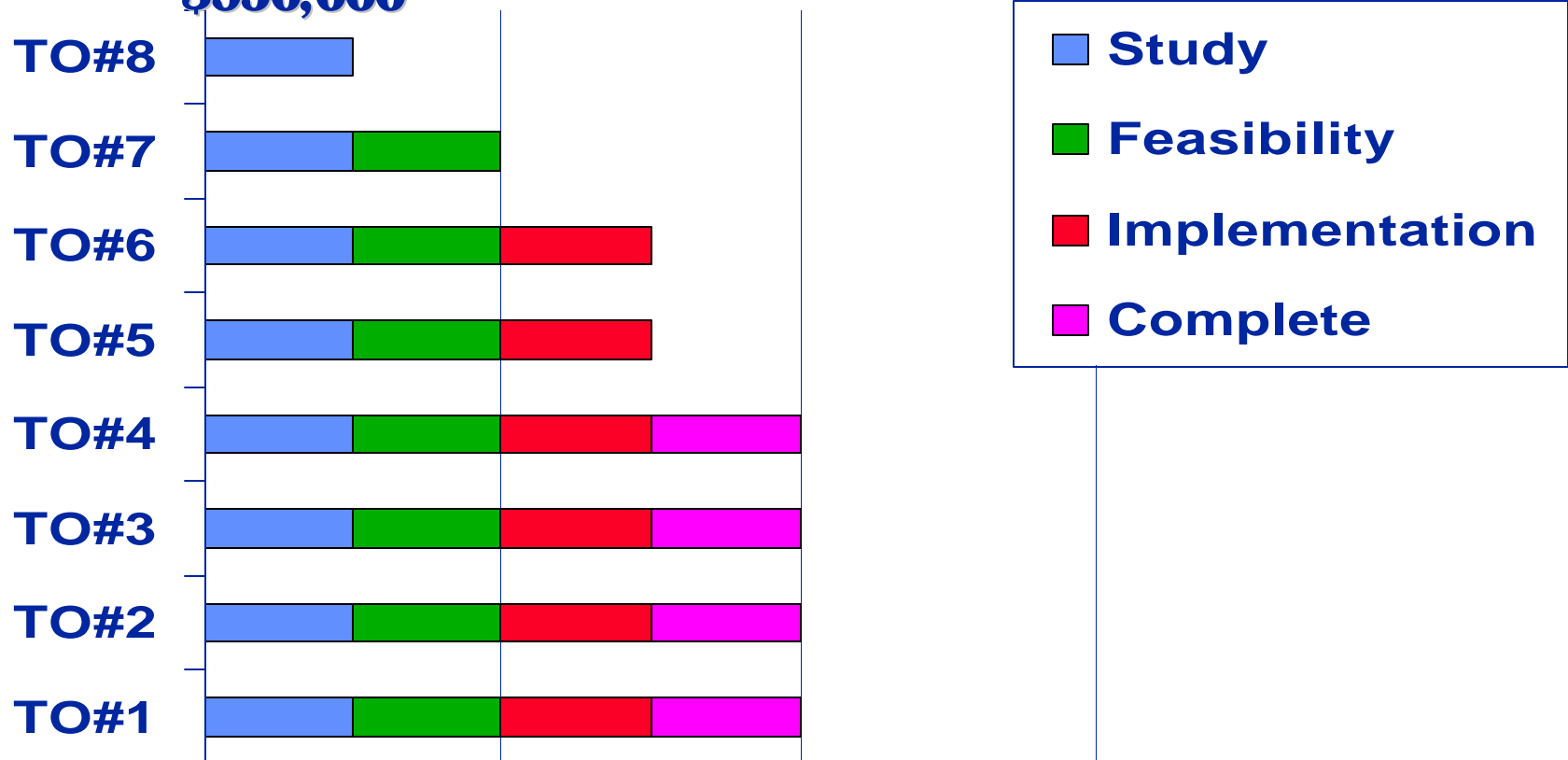




- Geothermal Heat Pumps
  - Several facilities
- Water Conservation
  - Golf Course irrigation
  - Demand control
- Lighting
  - Numerous facilities
- \$3.2 million Upgrade



**\$8.23 Million Upgrades Result in Decreasing Offutt's Annual Energy Costs by over \$950,000**



- Load Curtailment Agreement
- Special Project Grant
- Privatization
- Harding Award



# Questions?